

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

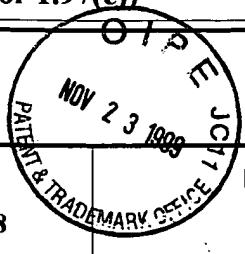
**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

GP 1649

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
11658

In Re Application Of: **Filippa Brugliera, et al.**



Serial No.
09/142,108

Filing Date
September 1, 1998

Examiner
A. Nelson

Group Art Unit
1649

Title: **GENETIC SEQUENCES ENCODING FLAVONOID PATHWAY ENZYMES AND USES THEREFOR**

RECEIVED

Address to:
Assistant Commissioner for Patents
Washington, D.C. 20231

NOV 24 1999
TECH CENTER 1600/2900

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application; within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office Action on the merits, whichever event occurs last.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either:

1. a Final Action under 37 CFR 1.113, or
 2. a Notice of Allowance under 37 CFR 1.311,
- whichever occurs first.

Also submitted herewith is:

- ☐ a certification as specified in 37 CFR 1.97(e);

OR

- ☐ the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
11658

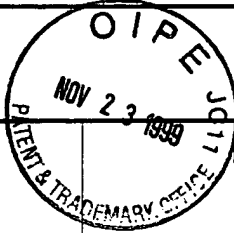
In Re Application Of: **Filippa Brugliera, et al.**

Serial No.
09/142,108

Filing Date
September 1, 1998

Examiner
A. Nelson

Group Art Unit
1649



Title: **GENETIC SEQUENCES ENCODING FLAVONOID PATHWAY ENZYMES AND USES THEREFOR**

RECEIVED
NOV 24 1999
TECH CENTER 1600/29

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 19-1013/SSMP as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of _____
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax No. _____) on _____

(Date)

Signature

Typed or Printed Name of Person Signing Certificate

Certificate of Mailing by First Class Mail

I certify that this document and fee is being deposited on November 17, 1999 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Signature of Person Mailing Correspondence

Michelle Spina

Typed or Printed Name of Person Mailing Correspondence

*This certificate may only be used if paying by deposit account.

Signature

Ann R. Pokalsky, Reg. No. 34,697
Scully, Scott, Murphy & Presser
400 Garden City Plaza
Garden City, New York 11530
(516) 742-4343

Dated: November 17, 1999

CC:



#5-

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Filippa Brugliera,
et al.

Examiner: A. Nelson

Serial No.: 09/142,108

Art Unit: 1649

Filed: September 1, 1998

Docket: 11658

PCT Appln. No. PCT/AU97/00124

Dated: November 17, 1999

PCT Filing Date: February 27, 1997

For: GENETIC SEQUENCES ENCODING
FLAVONOID PATHWAY ENZYMES AND
USES THEREFOR

Assistant Commissioner for Patents
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

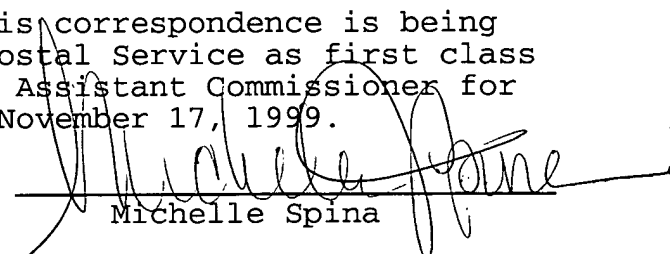
In accordance with the provisions of 37 C.F.R. §§1.97 and 1.98, it is respectively requested that the following disclosures, which are also listed on the attached form PTO-1449 be made of record in the above-identified case.

1. Altschul, et al. (1990) J. Mol. Biol 215:403-410.
2. Ashikari, et al. (1989) Appl. Microbiol Biotechnol. 30:515-520.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on November 17, 1999.

Dated: November 17, 1999


Michelle Spina

3. Baird, et al. (1987) Embo Journal 6:3223-3231.
4. Bechtold, et al. (1993) Sciences de la vie 316:1194-1199.
5. Bethesda Research Laboratories (1986) "BRLpUC host: *E. Coli* DH5 α TM competent cells." Bethesda Res. Lab. Focus, 8(2):9.
6. Brugliera, et al. (1994) Plant J. 5(1):81-92.
7. Church, et al. PNAS USA 81:1991-1995.
8. Chomczynski, et al. (1987) Anal. Biochem 162:156-159.
9. Comai, et al. (1990) Plant Mol. Biol. 15:373-381.
10. Cornu, et al. (1989) Petunia Hybrida 2(14):6.113-6.124.
11. Davies, et al. (1993) Plant Science 95:67-77.
12. D'Alessio, et al. (1992) Focus 14:76-79.
13. De Greve, et al. Mol. Appl Genet 1:499-511.
14. Dellaporta, et al. (1983) Plant Mol. Biol. Rep. 1:19-21.
15. Doodeman, et al. (1984) Appl. Genet. 67:357-366.
16. Dooner, et al. (1991) Ann. Rev. Genet 25:173-199.
17. Forkman, et al. (1980) "Anthocyanin biosynthesis on flowers of *Matthiola incana*. Flavanone 3- and flavanoid 3' -hydroxylases. Z. Naturforsch 35c:691-695.
18. Forkman, et al. (1981) "Genetic control of flavanone 3-hydroxylase activity and flavanoid 3'hydroxylase activity in *Antirrhinium majus* (snapdragon). Z. Naturforsch 36c:411-416.
19. Forkman, G. (1991) Plant Breeding 106:1-26.
20. Franck, et al. (1980) Cell 21:285-294.

21. Fritsch, et al. (1975) "Biosynthesis of cyanidin in cell cultures of *Haplopappus gracillus*. Phytochemistry, 14:2437-2442.
22. Frohman, et al. (1988) Proc. Natl. Acad. Sci. USA 85:8998-9002.
23. Gamborg, et al. (1988) Exp. Cell Res. 50:151-158.
24. Garfinkel, et al. (1980) J. Bacteriol. 144(2):732-743.
25. Gleave, A.P. (1992) Plant Molecular Biology 20:1203-1207.
26. Guilley, et al. (1982) Cell 30:763-773.
27. Hahlbrock, et al. (1979) Annu. Rev. Plant Physiol. 30:105-130.
28. Hanahan, D. (1983) J. Mol. Biol. 166:557-580.
29. Haughn, et al. (1986) Molecular and General Genetics 204:430-434.
30. Holton, et al. (1993) Nature 366:276-279.
31. Holton, et al. (1995) Plant Cell 7:1071-1083.
32. Inoue, et al. (1990) Gene 96:23-28.
33. Ito, et al. (1983) J. Bacteriol 153(1):163-168.
34. Jefferson, et al. (1987) Plant Molecular Biology Reporter 5(4):387-405.
35. Jefferson, et al. (1987) Embo J. 6:3901-3907.
36. Koornneef, et al. (1982) Arabidopsis Information Service 19:113-115.
37. Kozak, M. (1989) J. Cell Biol. 108:229-241.
38. Lander, et al. (1987) Genomics 121:185-199.
39. Lazo, et al. (1991) Bio/technology 9:963-967.
40. Ledger, et al. (1991) Plant Cell Reports 10:195-199.
41. Liang, et al. (1993) Science 257:967-971.

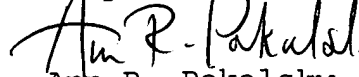
42. Liang, et al. (1993) Nucl. Acids Res. 21:3269-3275.
43. Marchuk, et al. (1990) Nucl. Acids Res. 19(5):1154.
44. Markham, et al. Phytochem. 34:679-685.
45. Martin, et al. (1993) The Molecular biology of flowering. (Jordan, B.R. ed), UK, CAB International: 219-255.
46. McLean, et al. (1990) Heredity 61:341-346.
47. Merrifield, J. (1964) J. Am. Chem. Soc. 85:2149-2154.
48. Mizutani, et al. (1993) Biochem. Biophys. Res. Commun. 190:875-880.
49. Murashige, et al. (1962) Physiol. Plant 15:473-497.
50. Nelson, et al. (1996) "P450 superfamily: update on new sequences, gene mapping, accession numbers and nomenclature", Pharmacogenetics, 6:1-42.
51. Newman, et al. (1994) Plant Physiol 106:1241-1255.
52. Pearson, et al. (1988) Proc. Natl. Acad. Sci. USA 85:2444-2448.
53. Sato, et al. (1997) "Structural analysis of Arabidopsis thaliana chromosomes 5.I. Sequence features of the 1.6Mb regions covered by twenty physically assigned P1 clones." DNA Res. 4:215-230.
54. Schenk, et al. (1972) Can. J. Bot. 50:199-204.
55. Schram, et al. (1984) "Biochemistry of flavonoid synthesis in *Petunia hybridia*." In: Petunia Sink, K.C.(ed.), Springer-Verlag, Berlin, Germany:68-75.
56. Spribille, et al. (1982) "Chalcone synthesis and hydroxylation of flavonoids in 3' -position with enzyme preparations from flowers of *Dianthis caryophyllus* L. (carnation). Planta 155:176-182.
57. Stafford, H.A., (1990) Flavonoid Metabolism, CRC Press, Inc. Boca Raton, Florida, USA.

58. Stotz, et al. (1982) Naturforsch 37c:19-23.
59. Tabak, et al. (1978) Planta 139:67-71.
60. Tanaka, et al. (1988) Biochem 103:954-961.
61. Tanaka, et al. (1996) Plant Cell Physiol. 37(5):711-716.
62. Van Tunen, et al. "Control of flavonoid synthesis and manipulation of flower colour", Plant Gene Expression:94-130.
63. Wallroth, et al. (1986) Mol. Gen. Genet 202:6-15.
64. Wiering, et al. (1984) "Inheritance and Biochemistry of Pigments." In: Petunia Sink, K.C. (ed.), Springer-Verlag, Berlin, Germany:49-65.
65. International (PCT) Publication NO. WO 92/20206 published on November 12, 1992.

Enclosed are copies of each of the references listed above, all of which are in the English language. Inasmuch as this Information Disclosure Statement is being submitted prior to the issuance of the first Office Action on the merits, no fee or certification is due.

Consideration of this Information Disclosure Statement is respectfully requested, since the art provided may be material to the examination of the present application as defined within 37 C.F.R. §§1.97 and 1.98.

Respectfully submitted,


Ann R. Pokalsky
Reg. No. 34,697

Scully, Scott, Murphy & Presser
400 Garden City Plaza
Garden City, New York 11530
(516) 742-4343
ARP:jr